



A MEMO TO THE SORA COMMUNITY

OCTOBER 2023

This document accompanies the invoice sent to SORA for the services provided by SORAMITSU.

October 2023 was an incredible month of accomplishments. The SORA Integrated Plan continues to be the roadmap for the SORA Network development pipeline, and the progress rate has steadily advanced.

This memo will provide a perspective on the activities for each track, a description of the development activities specific to this month, and the total amount of hours presented in invoice number 205047 served by SORAMITSU Helvetia to the SORA Community.

1 SORA (Substrate) – 5,669 hrs

Work this month is spread across the [Substrate bridge](#), [Orderbook implementation](#), a CBDC Proof of Concept, [Documentation](#), and [Community Requested Features](#).

The third phase of the Substrate bridge, Bridge Activation, was completed. The SORA Kusama Council and Technical Committee have been implemented, and after successful testing, the bridge infrastructure release plan is smoothly progressing toward full release. More details on the release phases are available below. This bridge infrastructure is also undergoing preparation to be implemented for another non-parachain Substrate-based network supporting a **Sovereign State**.

The Order book has completed benchmarking, and Quality Assurance feedback is being implemented. The final features for the Orderbook MVP are in progress, as well as the implementation of a UI from the client application teams.

The proof of concept for a Central Bank Digital Currency on the SORA network is ongoing. Dev work for the implementation will consist of support for the PoC. **Details of this PoC are under embargo until an official announcement is released.**

Work on the architecture and implementation of Kensetsu is underway, with early cross-team collaboration implemented to optimise the public release period.

Documentation to open HRMP channels with other parachains and the Substrate Bridge infrastructure outline is in progress; additionally, the XOR fee structure was modified to optimise claiming Validator rewards.

Finally, ongoing project management activities include SORA Governance and Technical committee support, quality assurance ops and development support to external teams building on the SORA network.

On the mobile side, four releases were worked on this month:

- **3.4.0, released on the 13th of October**, included improvements to the sign-on process and made the SORA IBAN balance available.
- **3.5.0, released on the 19th of October**, included SORA Ecosystem features such as tokens and liquidity pools available, their fiat price trends, wallet personalisation features, and synthetic asset support in liquidity pools, among others.
- **3.6.0, released on the 31st of October**, included quality-of-life improvements for SORA Card onboarding, such as phone number formatting during signups and detailed information about every step of the process.

- **3.7.0**, in progress, will introduce night mode, support for left-to-right reading languages, and performance and QoL improvements.

As well as project management activities, systems analysis, UI/UX improvements and quality assurance.

1.1 SORA Backend

- Final preparations for releasing the Substrate bridge to the SORA Kusama parachain.
- Completed the 3-phased release of the bridge:
 - **Phase 1: Infrastructure setup**
 - Releasing the code for the Substrate bridge to production env.
 - **Phase 2: Governance setup**
 - Setting up the governance structure on the SORA Kusama parachain.
 - **Phase 3: Bridge activation**
 - Registering the KSM token.
 - Launching the physical machines to run the bridge.
- Working on reusing the Substrate bridge to bridge to another non-parachain, Substrate-based network supporting a sovereign state.
- Working on a PoC to showcase using SORA for CBDC use cases.
- Implementing the last features for the MVP of the Order book:
 - Fixing issues on the implementation after feedback from Quality Assurance.
 - Supporting client application teams in implementing the UI for the order book.
- Working on the architecture and implementation details for Kensetsu:
 - Collaborating with other teams (design, front-end) to enhance synchronisation and time-to-market.

1.2 Mobile App

- Implemented and released version 3.4.0 – SORA IBAN Balance (13/10):
 - Improvements in the sign-up process;
 - Display your SORA IBAN balance.
- Implemented and released version 3.5.0 – Explore SORA Ecosystem (19/10):
 - Display all the tokens and liquidity pools available in the SORA ecosystem.
 - Display the asset fiat price trend.
 - Personalise your wallet by toggling the cards on or off (assets, pools, SORA Card).
 - Enabling providing liquidity with synthetic assets.
 - Support new languages, including Arabic and Hebrew.
 - Include various fixes and improvements based on the community feedback.

- Implemented and released version 3.6.0 – QoL: Improved Sign-ups (31/10):
 - Seamless phone number formatting during sign-ups.
 - Improved onboarding flow with updates at every stage of the process.
 - Other user experience enhancements.
- Working on release 3.7.0 – Night Mode:
 - Night mode.
 - Support for Arabic, Hebrew, and Persian.
 - Performance improvements in loading time.
 - Disable the X1 widget (native XOR on-ramp).
 - Remove the reminder banner to back up the account.
 - Improvements in Connect with Google.
 - Various improvements in UI / UX.
- Working on the implementation of the Substrate bridge for mobile clients.
- Synchronisation with external partners.

2 Substrate (PSWAP) - 626 hrs

Polkaswap has received a substantial amount of ongoing improvements, including:

- Orderbook phase 1: Trade page implementation.
 - Order book widget.
 - Place market/limit orders.
 - Price charts.
 - Orders management (lifetime, cancel, cancel all, etc).
 - Orders history.
- HASHI Substrate Bridge improvements:
 - Locked balances for all networks (meta v.13, v.14, v.15).
 - Better external blockchain/parachain networks management.
 - The Polkadot crowdloan link was added to the Select network dialogue.
 - Styles for Firefox were improved.
- WalletConnect support:
 - Whitelist Polkaswap.io for WalletConnect.
 - Backbone for WalletConnect.
 - Added UI for WalletConnect
(list of predefined wallets, select wallet dialogue, etc.).
- Indexer improvements:
 - A common architecture for Subquery & Subsquid services.
 - XOR Native Staking rewards in Subquery & Subsquid.
 - Added CERES API switcher for fiat rates.
 - Explored mainnet data in Subsquid.
- Asset owner page implementation:
 - Simplified creation for popular assets.
 - Simplified asset management for created assets (mint/burn/edit asset info).
 - Added stats for created assets.
- Other UX improvements:
 - Added a new banner featuring the ongoing SORA Polkadot Crowdloan.
 - Circulating supply improvements for VAL & PSWAP on the Stats page.
 - Browser extensions inject logic (sometimes infinite loader) was improved, achieving better performance.
 - Chart buttons are disabled during chart data loading.
- UX investigation for new pages: Governance, Kensetsu, NFT Marketplace.

3 DevOps and Security - 521 hrs

The work done this month by DevOps covers the SORA network as well as its underlying infrastructure. Here are more details:

3.1 SORA Blockchain

- More alerting rules and dashboards for the SORA network and bridges.
- Improved CI/CD pipeline.
- Updated SORA bots.
- Rust CI library improved.
- The SORA pre-dev environment for upcoming major features was prepared.
- In progress:
 - 98% SAST for Rust implementation.
 - 50% New environment for Substrate <> Substrate bridge.

3.2 Parachain

- Improved CI/CD pipeline
 - Security checks.
 - New tests

3.3 Polkaswap

- Improved CI/CD pipeline
 - New alerts.
- Working on Infrastructure hardening.

3.4 Mobile Clients

- Updated CI/CD pipeline
 - Added more autotests.
 - SORA card-related improvements.

3.5 SORA Card

- A new version has been released.
- Working on Infrastructure hardening.

4 Education – 1006 hr

Educational operations this month included:

4.1 SORA

- Ecosystem Updates
- Documenting business description and technical implementation for the initiatives (Substrate bridge, Order book).
- Ongoing wiki Improvements.
- Daily social media posts (covering key features, testnet/mainnet releases, highlighting USPs, and entertainment).
- SORA Kusama parachain release ‘Governance setup’ communications.
- SORA Blockchain release ‘Substrate Bridge Upgrade’ communications.
- SORA Blockchain release ‘XORless transfers for the PoC’ communications.
- SORA Wallet release coverage:
 - ‘SORA Card IBAN enhancements’ communications.
 - ‘Explore ecosystem tab’ communications.
 - ‘Improved KYC onboarding’ communications.
- Articles:
 - Understanding TBCD and its role in the SORA ecosystem.
 - Tutorial on how to bridge KSM via HASHI Substrate bridge via dotapps.io.
 - How to manage passphrases, security guide
- Setting up and strengthening the Builders’ program to support current and future collaborations on SORA.
- SORA evangelisation at industry events and conferences.

4.2 Polkaswap

- Ecosystem Updates.
- Daily social media posts (covering key features, testnet/mainnet releases, highlighting USPs, and entertainment).
- Polkaswap v1.22 ‘Improved KYC onboarding’ communications.
- Polkaswap v1.23 ‘SORA Card IBAN enhancements’ communications.
- Attending high-impact in-person events and business to government (B2G) expenses.

5 Total Hours – 7,822 hr

Additionally, invoice 205046, attached, pertains to cloud server costs for October 2023.

All SORA Ecosystem Memo payments provide collateral to the Token Bonding Curve.

Your ongoing support is greatly appreciated, and we look forward to continuing to serve you.

Sincerely,

SORAMITSU Helvetia AG

Supporting concept updates are presented in the SORA Ecosystem Updates published on [October 26](#), and Polkaswap updates on [October 26](#), respectively.

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Invoice

Invoice for SORA.org	Payable to SORAMITSU Helvetia AG	Issue Date 8 November 2023	Invoice Number 205046
	Project Cloud Service Provider Cost for October 2023	Due Date 18 November 2023	

Description	Amount (USD)
Cloud Service Provider Cost for October 2023	12,735.00

Subtotal	\$12,735.00
Tax	0,00

Total Amount Due **USD \$12,735.00**

** Payment can be made in equivalent TBCD, at the market rate.*

Wallet Address (TBCD): **cnWRVWRzg3DQ6YTWVR8q3AjC2TsivAG1DzgWqRQ61nAvYHV75**

Thank you very much for your business. We are looking forward to serving you again.

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Invoice

Invoice for SORA.org	Payable to SORAMITSU Helvetia AG	Issue Date 8 November 2023	Invoice Number 205047
	Project Development Cost for October 2023	Due Date 18 November 2023	

Description	Quantity (Work-Hours)	Discounted Unit Price (USD)	Amount (USD)
SORA (Backend, Mobile Apps)	5,669	295.00	1,672,355.00
Polkaswap (Backend, Frontend)	626	295.00	184,670.00
DevOps and Security Review	521	295.00	153,695.00
Education	1,006	295.00	296,770.00
Subtotal	7,822.00	295.00	\$2,307,490.00

	Subtotal	\$2,307,490.00
	Tax	\$0.00

Amount Due

USD \$2,307,490.00

Grand Total Due (Invoice 205046 & 205047)

USD \$2,320,225.00

** Payment can be made in equivalent TBCD, at the market rate.*

Wallet Address (TBCD): **cnWRVWRzg3DQ6YTWVR8q3AjC2TsvAG1DzgWqRQ61nAvYHY75**

Thank you very much for your business. We are looking forward to serving you again.



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